

PTO/SB/21 (08-00)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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GP/1631 7

**TRANSMITTAL
FORM***(to be used for all correspondence after initial filing)*

Total Number of Pages in This Submission

Application Number

09/766,450

RECEIVED

Filing Date

January 19, 2001

DEC 05 2002

First Named Inventor

Collins, Colin

Group Art Unit

1631

TECH CENTER 1600/2900

Examiner Name

Lori A. Clow

Attorney Docket Number

02307I-111800US

ENCLOSURES (check all that apply) Fee Transmittal Form Assignment Papers
(for an Application) After Allowance Communication to Group Fee Attached Drawing(s) Appeal Communication to Board of Appeals and Interferences Amendment / Reply Licensing-related Papers Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief) After Final Petition Proprietary Information Affidavits/declaration(s) Petition to Convert to a Provisional Application Status Letter Extension of Time Request Power of Attorney, Revocation Change of Correspondence Address Other Enclosure(s)
(please identify below): Express Abandonment Request Terminal Disclaimer Return Postcard Information Disclosure Statement Request for Refund Certified Copy of Priority Document(s) CD, Number of CD(s)Remarks
The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430. Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm and Individual name

Townsend and Townsend and Crew LLP

Reg. No. 47,651

Matthew E. Hinsch

Signature

Date

November 25, 2002

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date:

November 25, 2002

Typed or printed name

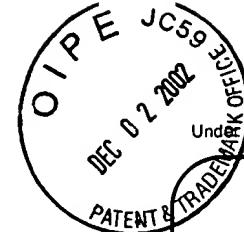
Joy M. Marshall

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Date

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Burden Hour Statement TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.
SF 1409722 v1



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FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 218)

Complete if Known

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Application Number 09/766,450

Filing Date January 19, 2001

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First Named Inventor Collins, Colin

TECH CENTER 1600/2900

Examiner Name Lori A. Clow

Group Art Unit 1631

Attorney Docket No. 02307I-111800US

METHOD OF PAYMENT (check all that apply)

Check Credit Card MoneyOrder Other None

Deposit Account:

Deposit Account Number 20-1430

Deposit Account Name Townsend and Townsend and Crew LLP

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 740	2001 370	Utility filing fee			
1002 330	2002 165	Design filing fee			
1003 510	2003 255	Plant filing fee			
1004 740	2004 370	Reissue filing fee			
1005 160	2005 80	Provisional filing fee			

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fees from below	Fee Paid
Total Claims	41	-39** = 2	X\$9	\$18
Independent Claims	4	-4** = 0	X\$42	\$0
Multiple Dependent			X	

Large Entity	Small Entity	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$18)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath			
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet			
1053 130	1053 130	Non-English specification			
1812 2,520	1812 2,520	For filing a request for reexamination			
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action			
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action			
1251 110	2251 55	Extension for reply within first month			
1252 400	2252 200	Extension for reply within second month	200		
1253 920	2253 460	Extension for reply within third month			
1254 1,440	2254 720	Extension for reply within fourth month			
1255 1,960	2255 980	Extension for reply within fifth month			
1401 320	2401 160	Notice of Appeal			
1402 320	2402 160	Filing a brief in support of an appeal			
1403 280	2403 140	Request for oral hearing			
1451 1,510	1451 1,510	Petition to institute a public use proceeding			
1452 110	2452 55	Petition to revive – unavoidable			
1453 1,280	2453 640	Petition to revive – unintentional			
1501 1,280	2501 640	Utility issue fee (or reissue)			
1502 460	2502 230	Design issue fee			
1503 620	2503 310	Plant issue fee			
1460 130	1460 130	Petitions to the Commissioner			
1807 50	1807 50	Petitions related to provisional applications			
1806 180	1806 180	Submission of Information Disclosure Stmt			
8021 40	8021 40	Recording each patent assignment per property (times number of properties)			
1809 740	2809 370	Filing a submission after final rejection (37 CFR § 1.129(a))			
1810 740	2810 370	For each additional invention to be examined (37 CFR § 1.129(b))			
1801 740	2801 370	Request for Continued Examination (RCE)			
1802 900	1802 900	Request for expedited examination of a design application			

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$200)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Matthew E. Hinsch	Registration No. (Attorney/Agent)	47,651	Telephone	415-576-0200
Signature				Date	November 25, 2002

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On November 25, 2002

TOWNSEND and TOWNSEND and CREW LLP

By: Joy M. Marshall

PATENT
Attorney Docket No.: 02307I-111800US
Client Ref. No.: 2000-391-1

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DEC 05 2002

TECH CENTER 1600/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

COLLINS et al.

Application No.: 09/766,450

Filed: January 19, 2001

For: REPEAT-FREE PROBES FOR
MOLECULAR CYTOGENETICS

Examiner: Lori A. Clow

Art Unit: 1631

AMENDMENT

#11/B
Plunkett
12/10/02

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action mailed July 2, 2002, please amend the above-identified application as follows. A petition for extension of time to respond for two months from October 2, 2002, to December 2, 2002, accompanies this Amendment.

IN THE SPECIFICATION:

Please amend the last full paragraph on page 7 of the application as follows:

B1
In a preferred embodiment, as depicted in Fig. 2, the process is carried out using any version of the RepeatMasker program (Arian Smit, University of Washington, Seattle, WA), such as RepeatMasker2. This program screens sequences for interspersed repeats that are known to exist in mammalian genomes, as well as for low complexity DNA sequences. The output of the program includes a detailed annotation of the repeats